

BRAIN RESEARCH

MOLECULAR BRAIN RESEARCH

VOL. 74 NOS. 1,2

CONTENTS

10 DECEMBER 1999

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Guidelines for the submission of manuscripts

v

Themes and Topics

ix

Research reports

4.5 kb of the rat tyrosine hydroxylase 5' flanking sequence directs tissue specific expression during development and contains consensus sites for multiple transcription factors J.J. Schimmel, L. Crews, S. Roffler-Tarlov and D.M. Chikaraishi (USA)	1
Localization of the ATP-sensitive potassium channel subunit (Kir6.1/uK _{ATP} -1) in rat brain M. Zhou, O. Tanaka, M. Sekiguchi, K. Sakabe, M. Anzai, I. Izumida, T. Inoue, K. Kawahara and H. Abe (Japan)	15
Exposure of cultured primary rat astrocytes to hypoxia results in intracellular glucose depletion and induction of glycolytic enzymes Y. Niitsu, O. Hori, A. Yamaguchi, Y. Bando, K. Ozawa, M. Tamatani, S. Ogawa and M. Tohyama (Japan)	26
Identification and localization of ataxin-7 in brain and retina of a patient with cerebellar ataxia type II using anti-peptide antibody C. Mauger, J. Del-Favero, C. Ceuterick, U. Lübke, C. van Broeckhoven and J.-J. Martin (Belgium)	35
Absence of binding activity of neuron-restrictive silencer factor is necessary, but not sufficient for transcription of NMDA receptor subunit type 1 in neuronal cells S.-i. Okamoto, K. Sherman and S.A. Lipton (USA)	44
Developmental changes in the expression of <i>Shaker</i> - and <i>Shab</i> -related K ⁺ channels in neurons of the rat trigeminal ganglion G. Seifert, E. Kuprijanova, M. Zhou and C. Steinhäuser (Germany)	55
Differential expression of neural cell adhesion molecule isoforms in normal and glaucomatous human optic nerve heads C.S. Ricard, J.D.O. Pena and M.R. Hernandez (USA)	69
Vascular endothelial growth factor upregulation in transient global ischemia induced by cardiac arrest and resuscitation in rat brain P. Pichiule, J.C. Chávez, K. Xu and J.C. LaManna (USA)	83
Isolation of sex-specific cDNAs from fetal mouse brain using mRNA differential display and representational difference analysis A. Eriksson, C. Wahlestedt and K. Nordqvist (Sweden)	91
The nicotinic acetylcholine receptor agonist (\pm)-epibatidine increases FGF-2 mRNA and protein levels in the rat brain N. Belluardo, G. Mudò, M. Blum, Q. Cheng, G. Caniglia, P. Dell'Albani and K. Fuxe (Italy, Sweden, USA)	98
Water deprivation upregulates the three calmodulin genes in exclusively the supraoptic nucleus of the rat brain A. Palfi and K. Gulya (Hungary)	111
Regulation of NGFI-A (Egr-1) gene expression by the POU domain transcription factor Brn-3a M.D. Smith, E.A. Ensor, L. Stohl, J.A. Wagner and D.S. Latchman (UK, USA)	117
Interaction of PKN with a neuron-specific basic Helix-Loop-Helix transcription factor, NDRF/NeuroD2 H. Shibata, H. Oda, H. Mukai, K. Oishi, K. Misaki, H. Ohkubo and Y. Ono (Japan)	126
Hypothermia abolishes hypoxia-induced hyperpermeability in brain microvessel endothelial cells S. Fischer, D. Renz, M. Wiesnet, W. Schaper and G.F. Karliczek (Germany)	135
In situ hybridization analysis of flip/flop splice variants of AMPA-type glutamate receptor subunits in the rat parabrachial and Kölliker-Fuse nuclei A. Guthmann and H. Herbert (Germany)	145
The Flinders Sensitive Line rats, a genetic model of depression, show abnormal serotonin receptor mRNA expression in the brain that is reversed by 17 β -estradiol M.K. Österlund, D.H. Overstreet and Y.L. Hurd (Sweden, USA)	158

(Contents continued inside)

CONTENTS
Direct

This journal is part of **ContentsDirect**, the **free** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: www.elsevier.nl/locate/contentsdirect



0169-328X(19991210)74:1/2;1-Y

(contents continued)

Characterization of the 5'-flanking region of the human dopamine transporter gene P. Sacchetti, L.A. Brownschidle, J.G. Granneman and M.J. Bannon (USA)	167
Discovery of a putative heme-binding protein family (SOUL/HBP) by two-tissue suppression subtractive hybridization and database searches M.J. Zylka and S.M. Reppert (USA)	175
Sphingosine 1-phosphate induces expression of early growth response-1 and fibroblast growth factor-2 through mechanism involving extracellular signal-regulated kinase in astroglial cells K. Sato, K. Ishikawa, M. Ui and F. Okajima (Japan)	182
Postprandial, seasonal and sexual variations in cholecystokinin gene expression in goldfish brain P. Peyon, H. Saied, X. Lin and R.E. Peter (Canada)	190
Transgenic expression of B-50/GAP-43 in mature olfactory neurons triggers downregulation of native B-50/GAP-43 expression in immature olfactory neurons A.J.G.D. Holtmaat, C.T. Huizinga, F.L. Margolis, W.H. Gispen and J. Verhaagen (Netherlands, USA)	197
AP-2 β represses D _{1A} dopamine receptor gene transcription in Neuro2a cells S. Takeuchi, I. Imafuku, M. Waragai, C. Roth, I. Kanazawa, R. Buettner, M.M. Mouradian and H. Okazawa (Japan, Germany, USA)	208

Short communications

Gene expression of peroxisomal β -oxidation enzymes in rat brain A. Knoll, F. Sargueil, J. Salles, C. Cassagne and B. Garbay (France)	217
Immunocytochemical localization of serotonin and serotonin transporter (SET) in taste buds of rat Y. Ren, K. Shimada, Y. Shirai, M. Fujimiya and N. Saito (Japan)	221
Distribution of the receptor EphA7 and its ligands in development of the mouse nervous system J.H. Rogers, T. Ciossek, A. Ullrich, E. West, M. Hoare and E.M. Muir (UK, Germany)	225
Segregation of the receptor EphA7 from its tyrosine kinase-negative isoform on neurons in adult mouse brain T. Ciossek, A. Ullrich, E. West and J.H. Rogers (Germany, UK)	231
Acute ibogaine injection induces expression of the immediate early genes, <i>egr-1</i> and <i>c-fos</i> , in mouse brain S.F. Ali, N. Thiriet and J. Zwiller (USA, France)	237
<i>Mytilus edulis</i> pedal ganglia express μ opiate receptor transcripts exhibiting high sequence identity with human neuronal μ 1 P. Cadet and G.B. Stefano (USA)	242

Corrigendum

Corrigendum to: Molecular characterization of a new member of the protein 4.1 family (brain 4.1) in rat brain [Mol. Brain Res. 70 (1999) 197–209]	247
---	-----

<i>Author Index</i>	248
---------------------	-----



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: www.elsevier.nl/locate/contentsdirect

